

Name _____ Date _____

5.3 FACTORING POLYNOMIALS COMPLETELY

Factor completely

1. $40a^2 + 16ab + 25a + 10b$	2. $35a^2 + 20ab - 63a - 36b$
3. $125a^3 + 25a^2 - 9b^2 + 27b^3$	4. $27a^3 + 9a^2 - 16b^2 - 64b^3$
5. $49a^2 + 56a + 16 - 42a - 24$	6. $9a^2 - 48ab + 64b^2 - 15a + 40b$
7. $16a^2 + 8a + 1 - 9b^2$	8. $49a^2 - 56a + 16 - 81b^2$
9. $36a^2b^2 - 100b^2$	10. $12a^3 - 39a^2 - 36a$